JAVA Solution - 1

Program 1

```
/* Write a java program which uses all arithmatic operator and which display
Addition,Subtraction,Multiplication,Division and modul of two float variables. */

import java.util.Scanner;   class pro_1
{     public static void main(String
args[])         {
        Scanner sc = new Scanner(System.in);
        System.out.println("======================");

        System.out.print("Enter 2 Numbers : ");
int a = sc.nextInt();         int b =
sc.nextInt();                 int add = a+b;
System.out.println("Addition is : "+add);

        int sub = a-b;
System.out.println("Substraction is : "+sub);

        int mul = a*b;
System.out.println("Multiplication is : "+mul);

        float div = a/b;
System.out.println("Division is : "+div);

        float mod = (b/a)*100;
System.out.println("Modul is : "+mod);
    }
}
```

Program 2

```
// Write a program which displays 0 to 9 digits using simple for loop.

import java.util.Scanner; class
pro_2
{     public static void main(String args[])
{         int i;
System.out.print("Numbers is : ");
for(i=0;i<10;i++)         {
            System.out.print(+i +", ");
        }
    } }
```

Program 3

```
// Write a program which compares a character and display message that both are same or not.
import java.util.Scanner;
class pro_3
 {     public static void main(String args[])     {
        int i,len=0,flag=0;         Scanner
```

```
sc = new Scanner(System.in);
System.out.print("Enter First String : ");
        String str1 = sc.nextLine();
        System.out.print("Enter Second String : ");
String str2 =sc.nextLine();

        if(str1.equals(str2))
System.out.println("\n Strings is same..");         else
System.out.println("\n Strings is not same..");
    }
}
```

Program 4

```
// Write a program which print number between 100 to 200 which divided by 7.
class pro_4
{     public static void main(String args[])     {         for(int i = 100 ;
i<=200 ; i++)         {             if(i % 7 ==0)             {
                System.out.print(i +", ");
            }
        }
    }
}
```

Program 5

```
// Write a program which print number between 10 to 15 which divided by 2.
class pro_5
{     public static void main(String args[])
    {         for(int i = 10 ; i<=15
; i++)
{             if(i % 2 ==0)
{
                System.out.print(i +", ");
            }
        }
    } }
```

Program 6

```
// Write a program which print number between 10 to 100 which divided by 5.
class pro_6 {     public static void main(String args[])     {         for(int
i = 10 ; i<=100 ; i++)         {             if(i % 5 ==0)             {
                System.out.print(i +", ");
            }
        }
    }
}
```

Program 7

```
// Write a program of division check second value of division is zero than give Divide By
Zero e import java.util.Scanner;

class pro_7 {     public static void
main(String[] args)     {
        Scanner scanner = new Scanner(System.in);

        // Input         System.out.print("Enter the
first number: ");          double num1 =
scanner.nextDouble();

        System.out.print("Enter the second number: ");
double num2 = scanner.nextDouble();

        // Check for zero and divide         if
(num2 == 0)         {
            System.out.println("Divide By Zero Error");
}         else          {
            double result = num1 / num2;
System.out.println("Result: " + result);
        }
    }
}
```

Program 8

```
// Write a program which finds factorial of N number.
import java.util.Scanner; class pro_8 {     public static
void main(String args[])     {
        int i,fact=1;          Scanner sc = new
Scanner(System.in);         System.out.print("Enter
any number : ");         int number = sc.nextInt();
for(i=1;i<=number;i++)          {
fact=fact*i;          }
System.out.print("Factorial of "+number+" is :
"+fact);
    }
}
```

Program 9

```
 // Write a program which find Armstrong number from 0 to 1000

 class pro_9
 {     public static void main(String arg[])
{
        int a=0,b=0,q=0,no;          System.out.println("\nAll Armstrong
Numbers between 1 to 1000 is : ");          for(no=0;no<=1000;no++)          {
a=no;             q=0;             while(a>0)             {
```

```
b=a%10;                  a=a/10;                  q+=(b*b*b);              }
if(no==q)              {
                System.out.println("\n "+no);
            }
        }
    }
 }
```

Program 10

```
// Write a program which displays prime numbers between 1 to 100.


public class pro_10 {     public static void main(String[] args)
{         System.out.println("  Prime numbers from 1 to 100 are:");

        for (int num = 2; num <= 100; num++)         {
boolean isPrime = true;

            // Check if the number is divisible by any number other than 1 and itself
for (int i = 2; i <= Math.sqrt(num); i++)             {                  if (num % i ==
0)                 {                     isPrime = false;                     break;
}
            }

            // Print if prime             if
(isPrime)             {
                System.out.print(num + " ");
            }
        }
    }
}
```

Program 11

```
// Write a program to find Fibonacci series of a given no.
 import
java.util.Scanner;
 public class
pro_11
{     public static void main(String[]
args)
    {
        Scanner scanner = new Scanner(System.in);

        // Input: number of terms
        System.out.print("Enter the number of terms: ");
int n = scanner.nextInt();

        // First two Fibonacci numbers
int first = 0, second = 1;
```

```
        System.out.println("Fibonacci Series up to " + n + " terms:");
for (int i = 1; i <= n; ++i)
        {
            System.out.print(first + " ");

            // compute next term
int next = first + second;
first = second;             second =
next;
        }
    }
}
```